

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

IN THE MATTER OF:

WASTE MANAGEMENT OF
LOUISIANA, L.L.C.

TYPE III

AI 80784/D-071-6934

PROCEEDINGS UNDER THE
LOUISIANA ENVIRONMENTAL
QUALITY ACT, La. R.S. 30:2001
et. seq., SPECIFICALLY, La.
R.S. 30:2033

* JUSTIFICATION FOR
* UTILIZATION OF CHEF
* MENTEUR C&D DISPOSAL
* FACILITY FOR THE DISPOSAL
* OF HURRICANE-GENERATED
* DEBRIS
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This document provides the Louisiana Department of Environmental Quality's (LDEQ or Department) justification for authorizing the Chef Menteur Construction and Demolition (C&D) Disposal Facility (Chef Menteur Disposal or Facility) in Orleans Parish, Louisiana.

I. GENERAL BACKGROUND

On August 29, 2005, Hurricane Katrina (Hurricane) struck Louisiana, causing widespread damage in numerous parishes, including Orleans Parish. By State of Louisiana Proclamation No. 48 KBB 2005, the Governor declared on August 26, 2005, that a state of emergency exists in Louisiana, as Hurricane Katrina posed an imminent threat, carrying severe storms, high winds and torrential rain that may cause, and in fact did cause, flooding and damage to private property and public facilities and threatened the safety and security of the citizens of the state of Louisiana. By State of Louisiana Proclamation No. 54 KBB 2005, the Governor extended the state of emergency due to the

extreme damage caused by Hurricane Katrina and the continuing disaster and emergency conditions in the affected areas. On August 29, 2005, the Federal Emergency Management Agency (FEMA) issued a Disaster Declaration, FEMA-1603-DR, covering south Louisiana.

On August 30, 2005, the Secretary of the Louisiana Department of Environmental Quality (LDEQ, Department) exercised the legal authority granted to him pursuant to the provisions of Louisiana Revised Statutes 30:2001 *et seq.*, and particularly La. R.S. 30:2033 and 2011(D)(6), and issued a Declaration of Emergency and Administrative Order. In the declaration, the Secretary stated that an emergency exists, and that certain measures were necessary to prevent serious threat to human health and welfare and irreparable damage to the environment throughout the designated emergency areas. The Emergency Declaration was amended on September 3, 2005; November 2, 2005; November 17, 2005; January 13, 2006, and more recently on March 31, 2006. Each Emergency Declaration contains certain measures specifically authorized by the LDEQ and determined necessary to prevent serious threat to human health and welfare and irreparable damage to the environment.

To respond to this widespread destruction, the LDEQ, among other things, authorized the utilization of the Gentilly Landfill for disposal of some of the massive amounts of hurricane-generated C&D debris. However, due to the settlement of a legal challenge, the Gentilly Landfill is currently operating under an administrative order that limits the site's intake of debris to 19,000 cubic yards per day. This limitation has resulted in a decrease in the volume of hurricane-generated C&D debris transported and disposed in Orleans Parish. Notably, despite the settlement agreement, the Federal

Emergency Management Agency (FEMA) has directed its contractors disposing at Gentilly Landfill to not deliver in total more than the permitted daily volume of 5,000 cubic yards. Accordingly, Gentilly Landfill is receiving far less than 19,000 cubic yards per day, thereby further restricting the utility of the landfill.

Based upon Corps situation reports (as of March 31, 2006), there remains to be processed approximately 2,061,963 tons (5,154,909 cubic yards (cy)) of vegetative debris and 4,984,228 tons (12,460,570 cy) of demolition debris in Orleans Parish. Additional debris not yet included in the Corps situation reports is expected due to recent FEMA policy that will require the elevation of certain New Orleans structures by as much as three feet. Many houses that cannot be elevated probably will require demolition. In light of the above-described debris load and based upon a United States Army Corps of Engineers (Corps) Structural Demolition Decision Analysis for the demolition of structures in Orleans Parish, the following results were predicted, unless additional receptor sites in close proximity to the anticipated demolitions are approved: 1) the estimated rate of demolition would require reassessment; 2) the execution, in approximately eight months, of the first phase of demolition (structures near collapse) would become questionable; and 3) the execution of the broader mission, which could include demolition of 20,000 or more structures, would require over six years.

Therefore, to expedite the removal and disposal of the remaining C & D hurricane-generated and demolition debris associated with demolition activities in the area in and around Orleans Parish and particularly in the Ninth Ward Area, the LDEQ has authorized the construction and operation of Chef Menteur Disposal.

The gravity of the emergency situation created by Hurricane Katrina has required regulatory flexibility and a consideration of the timeframe for debris removal. With the authorization of Chef Menteur Disposal combined with the existing Gentilly and Highway 90 Landfills, the LDEQ's estimated timeframe for completion of debris removal (based upon management of debris at Gentilly and Highway 90 Landfills) is as follows:

- Remaining Vegetative Debris: 2,061,963 tons or 5,154,909 cy
 - Using Highway 90 only – 10.2 months² or 5.3 years¹
 - Using Gentilly and Highway 90 – 5 months² or 8.8 months¹
 - Using all three landfills – 3.4 months² or 4.7 months¹
- Remaining Demolition Debris: 4,984,228 tons or 12,460,570 cy
 - Using Highway 90 only – 1.7 years² or 11 years¹
 - Using Gentilly and Highway 90 – 10.4 months² or 1.5 years¹
 - Using all three landfills – 7.2 months² or 9.6 months¹

Note: 1 – Assuming landfill receives actual permitted weekly volume only

2 – Assuming landfill receives 53,200 tons/wk or 133,000 cy/wk

II. CHEF MENTEUR FACILITY BACKGROUND

Chef Menteur C&D Disposal is located at 16600 Chef Menteur Highway, New Orleans, Orleans Parish, Louisiana, approximately two miles east of Interstate Highway 510 on U.S. Highway 90 (Latitude 30° 02' 52", Longitude 89° 52' 55"). The site presently is owned by Expedition Enterprises, L.L.C., but leased to and operated by Waste Management of Louisiana, L.L.C. (Waste Management), a wholly-owned subsidiary of Waste Management Holdings, L.L.C. Waste Management's mailing address is 29375 Woodside Drive, Walker, Louisiana 70785. The entire site

encompasses approximately 100 acres and will be constructed in two cells, the first cell planned for approximately 58 acres and the second cell planned for approximately 15 acres. Chef Menteur Disposal will operate as an "Enhanced" C&D Landfill.¹

Historically, this site has undergone an extensive permitting review process by the Department pursuant to a permit application submitted by Construction Debris, Inc., in 1994, with the relevant background as follows:

On July 7, 1994, Raymond M. King Consulting and Services submitted a permit application to the LDEQ on behalf of Construction Debris, Inc. The application was determined administratively complete on October 24, 1994. A technical review was conducted, and Notices of Deficiencies were issued on April 6, 1995, November 16, 1995, and April 29, 1996. The document was determined technically complete on September 10, 1996.

The public comment period ran from September 9, 1996, through October 21, 1996. Public comments were received requesting an extension of the comment period. The extension was needed to allow time for gathering information from an upcoming public hearing to be held by the New Orleans City Planning Commission on November 19, 1996. On November 7, 1996, the LDEQ sent correspondence informing interested parties that a departmental public hearing would be held, and that the new end date for the comment period would be January 17, 1997.

¹ An "Enhanced" C&D Landfill is a C&D landfill allowed to accept asbestos-containing waste material under requirements (equivalent to Louisiana Emission Standards for Hazardous Air Pollutants (LESHAP) requirements) set forth by the LDEQ Declaration of Emergency and Administrative Order; and as found consistent by EPA with NESHAP for asbestos (National Emission Standards for Hazardous Air Pollutants) in a March 1, 2006, letter to the LDEQ, Office of Environmental Compliance, Assistant Secretary, Harold Leggett, Ph.D.

On March 20, 1997, the Council of the City of New Orleans denied the conditional use permit for Construction Debris, Inc., which the facility was required to obtain under LAC 33:VII.519.N. Therefore, there was no further action by the LDEQ in connection with the Construction Debris, Inc. application. After several years, the site was leased to Waste Management, which sought authorization to operate the site as Chef Menteur Disposal Facility.

An Emergency Disaster Cleanup Site Request Form, dated February 14, 2006, and signed by an authorized representative of the City of New Orleans was submitted by Waste Management to the LDEQ. This document requested that the site be used for disposal of C & D hurricane-generated and demolition debris associated with Hurricanes Katrina and Rita. Together with the request form, Waste Management also submitted operational information, including for example, waste acceptance guidelines, asbestos-containing waste material management, Louisiana Emission Standards for Hazardous Air Pollutant (LESHAP) Protocol, and the requirements to operate as an "Enhanced" C&D Landfill.

The LDEQ acknowledges both support and opposition to the location and operation of this facility. Regardless, New Orleans is a historical and highly significant port city of the United States and home to a unique and culturally diverse population. Disposal facilities such as Chef Menteur Disposal are crucial to the timely restoration and repopulation of New Orleans and the surrounding area.

III. **PUBLIC PARTICIPATION**

This document will be public noticed in both *The Times-Picayune*, New Orleans, Louisiana, and in *The Advocate*, Baton Rouge, Louisiana. Additionally, the public

notices will provide for a 30-day public comment period. The LDEQ will consider and respond to all relevant public comments. A Vietnamese language version of this document will be made available to facilitate public review and comment.

The LDEQ recognizes the existence of a sizeable Vietnamese community in east New Orleans in proximity to Chef Menteur Disposal. The distance of the community and its related social institutions, such as Mary Queen of Vietnam Catholic Church, from Chef Menteur Disposal were considered in this authorization. Although not available at the time of the authorization, Geographic Information System (GIS) maps are attached to this document for public review and comment.

IV. ADDITIONAL FINDINGS

Chef Menteur Disposal is a temporary C&D disposal facility authorized pursuant to the *State of Louisiana, Department of Environmental Quality, Declaration of Emergency and Administrative Order: Hurricane Katrina and its Aftermath*. The facility is authorized to accept for disposal the following materials:

- Nonhazardous waste generally considered not water-soluble, including but not limited to metal, concrete, brick, asphalt, roofing materials (shingles, sheet rock, plaster), or lumber from a construction and demolition project;
- Furniture, carpet, or painted or stained lumber contained in the demolished buildings;
- The incidental admixture of construction and demolition debris with asbestos-contaminated waste (i.e., incidental asbestos-contaminated debris that cannot be extracted from the demolition debris, all in

accordance with the requirements applicable to "Enhanced" C & D Landfills); and

- Yard Trash.

The wastes to be accepted were generated from direct and indirect effects of hurricane damage; primary sources will be Orleans, St. Bernard, and St. Tammany parishes. Available capacity of the landfill is set at approximately 7.2 million cubic yards, with the accepted waste being immediately landfilled in prepared cells. After each cell reaches its design limitations, it will be capped according to approved LDEQ procedures.

The following materials shall not be disposed at Chef Menteur Disposal: white goods² and putrescible,³ hazardous, liquid, infectious, industrial, commercial, and residential wastes.

As stated previously, Chef Menteur Disposal is located on U.S. Highway 90, near Interstate Highway 510 and Interstate Highway 10 in New Orleans, Louisiana. Notably, the facility is located in an area of eastern New Orleans heavily impacted by Hurricane Katrina. This location was selected for the following reasons, among other considerations:

- 1) Zoned industrial;
- 2) Proximity to areas where hurricane-generated debris is found and where demolition of storm damaged structures will be occurring, thereby resulting in reduced hauling time and cost, and reduced vehicle pollution effects;

² "White goods" are defined as "discarded domestic and commercial appliances such as refrigerators, ranges, washers, and water heaters." LAC 33:VII.115.

³ "Putrescible waste" is defined as waste "susceptible to rapid decomposition by bacteria, fungi, or oxidation, creating noxious odors." LAC 33:VII.115.

- 3) Adequate distance from neighbors as shown on the attached GIS maps;
- 4) Previously reviewed by the LDEQ for placement of a C&D landfill pursuant to standard permitting procedures;
- 5) Evidences suitable geology and engineering for the purposes of a C&D landfill⁴ and is located within fastlands;⁵
- 6) Operated by a national company with experienced and properly trained employees;
- 7) Contains no known archeological or historical sites within 1,000 feet of the site boundaries;
- 8) Contains no rare, threatened or endangered species or habitats within 1,000 feet of the site boundaries;
- 9) Contains no state or federal parks or scenic streams within 1,000 feet of the site boundaries;
- 10) Easily accessible route;
- 11) Sufficient available acreage; and
- 12) Already contains existing excavations or borrow pits that will be utilized, after modification, for disposal cells (Cell 1 and Cell 2).

Alternatives to landfilling for the C & D hurricane-generated and demolition debris were considered, including incineration, resource recovering, and composting. However, the LDEQ determined that development of the landfill is the only option which

⁴ See Waste Management of Louisiana, Chef Menteur Disposal,, Emergency Disaster Cleanup Site Request: Supplemental Operational Information, Vol. 1, March 1, 2006, and March 15, 2006, Section 7.

⁵ A "fastland" is property located inside the hurricane protection levee system, which is outside the jurisdiction of the local coastal management program.

is reliable, expedient, protective of human health and welfare and the environment, and economically feasible.

Notably, air-curtain burner types of incinerators can be used for clean wood and yard waste. However, because of the mixed nature and large volume of debris, this method would be impracticable for disposal of the majority of the waste; thus, this method was rejected.

Resource recovery was considered nonviable because of the large amount of debris and the need for expedient disposal. Due to the mixed nature of the waste involved, composting also was not a practical alternative. Composting may work for some yard and wood waste, but not for the bulk of the C & D hurricane-generated and demolition debris.

To mitigate adverse environmental effects to the maximum extent possible, the operation of Chef Menteur Disposal will be governed by the LDEQ Emergency Authorization as follows:

- The disposal cells will be surrounded by a berm that will reduce the possibility of flooding and the possibility of uncontrolled stormwater run-off. Additionally, there is a canal (Maxent Canal) and a road that separates Chef Menteur Disposal from the Bayou Sauvage National Refuge. Notably, water discharge normally flows into the Maxent Canal and is ultimately pumped into the Intracoastal Waterway.
- Water discharges shall comply with the effluent conditions specified in Appendix H of the Emergency Declaration and Administrative Order (amendment dated March 31, 2006).

- Water quality has been addressed by the New Orleans Local Coastal Program, the Corps and the Department. The site has been granted emergency authorizations to commence activities described in the 404 permit application.⁶
- Air monitoring will be required for asbestos.
- A 50-foot buffer zone shall be maintained between the facility and adjacent properties. The buffer zone shall be planted to serve as a visual screen.
- Adequate supervision and security shall be provided at the site, including prevention of unauthorized entry.
- Maximum operating hours are 7:00 a.m. to 7:00 p.m., seven days per week.
- Disposal of unauthorized waste shall be prevented by load inspection, and a daily waste receipt log shall be maintained.
- A sign shall be posted at the entrance to the facility listing acceptable and prohibited waste.
- No hazardous, liquid, infectious, industrial, commercial, residential, or putrescible wastes shall be allowed at the landfill.
- A daily inventory shall be kept of each truckload of waste received and rejected.
- All records shall be maintained on site and available for inspection by the LDEQ.
- Waste shall be deposited, spread, and compacted daily, all under the supervision of trained personnel.
- Employees of the facility shall attend waste acceptance guideline training and safety programs.

⁶ Attached are the City of New Orleans Coastal Program letter dated, April 6, 2006, LDEQ letter dated April 13, 2006 and Corps letter dated April 14, 2006.

- Waste shall be covered with 12 inches of silty clays or approved equivalent at least every 14 days.
- Unauthorized waste shall be segregated and removed according to a schedule.
- Access to the facility shall be by all-weather roads.
- Adequate lighting shall be provided along the entrance to the facility.
- An annual report shall be submitted to the LDEQ, within the set reporting period, recording quantities and types of solid waste received from generators.
- Open burning shall not be practiced unless authorized by the LDEQ. Should any fire start, procedures will be initiated immediately to control and extinguish it.
- No solid waste shall be deposited in standing water.
- Unapproved salvaging and scavenging shall be prohibited.
- Litter shall be controlled by the use of litter fences and/or regular inspection of the site.
- For the disposal of asbestos-containing material, Chef Menteur shall implement its operational plan produced to meet the requirements of the LDEQ Declaration of Emergency and Administrative Order regarding asbestos.
- Final compacting and grading shall be completed before capping. Final cover shall be completed within 90 days after final grades are reached. The side slope should be no steeper than 4(H):1(V) (for above ground) and must have a minimum of a 4 percent slope on the top of the final cap. The final cover must

consist of a minimum of 24 inches of silty clays, or LDEQ approved equivalent and six inches of topsoil sufficient for supporting vegetative growth.⁷

- After closure inspection and approval, ground cover shall be planted to prevent erosion and return the facility to a more natural appearance.
- The integrity of the grade and cap shall be maintained for no less than three years after the date of the LDEQ's approval of the closure of the facility. Annual reports concerning the integrity of the cap will be submitted for a period of three years after closure.

As accepted by the LDEQ, during operation of the facility, Waste Management will utilize and maintain liability insurance for sudden and accidental occurrences in the amount of \$1,000,000.00 per occurrence and \$2,000,000.00 annual aggregate, exceeding the requirements of LAC 33:VII.727.A.1.c. Within 30-days of operation, Waste Management will submit a certificate of liability insurance in compliance with LAC 33:VII.727.A.1.d and e.

Waste Management will use a performance bond to meet the financial responsibilities for closure and post-closure care. Waste Management will satisfy the requirements of LAC 33:VII.727.A.2.f by obtaining a surety bond through Lexon Insurance Company in the amount of \$740,500.00. This sum is based on the current closure and post-closure cost estimates. The estimated total amount of waste to be ultimately accepted by the landfill is approximately 7.2 million cubic yards. A solid waste facility trust agreement has been established with an affidavit certifying the

⁷ See Site Development Plan, Waste Management of Louisiana, Chef Menteur Disposal,, Emergency Disaster Cleanup Site Request: Supplemental Operational Information, Vol. 1, March 1, 2006 and March 15, 2006, Section 4, accepted by the LDEQ.

authority of the individual signing the trust on behalf of Waste Management, in compliance with LAC 33:VII.727.A.2.d. The trust agreement ensures payment of closure and post-closure costs. Waste Management has deposited \$3,703.00 into the trust as its initial bond premium.

V. CONCLUSION

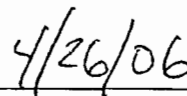
In light of Hurricane Katrina and its aftermath, and based upon the above justification, careful and deliberate review of all environmental law, relevant LDEQ emergency and administrative guidance, and Waste Management of Louisiana, L.L.C.'s emergency disaster clean-up site request operational information, the LDEQ has authorized the construction and operation of Chef Menteur C&D Disposal Facility.

VI. APPEALS OR REQUEST FOR REVIEW

In accordance with the provisions of La. R.S. 30:2033, any appeal or request for review of the authorization for the utilization of the Chef Menteur Disposal Facility site is required to be brought in an action for injunctive relief filed in the Nineteenth Judicial District Court for the Parish of East Baton Rouge.



Chuck Carr Brown, Ph.D.
Assistant Secretary



Date



CITY OF NEW ORLEANS
MAYOR'S OFFICE OF ENVIRONMENTAL AFFAIRS

April 6, 2006

Certified Mail # 700016700051781843

Ms. Susan Douglas
Sigma Associates, Inc.
10305 Airline Highway
Baton Rouge, Louisiana 70816

RE: P# 20060318 Local Coastal Use Permit, Request for Determination
Applicant: Waste Management of Louisiana
Agent: Sigma Associates, Inc.
Activity: Construction/demolition landfill for disposal of hurricane
generated debris and other construction/demolition debris
Location: 16600 Chef Menteur Highway, Orleans Parish, Louisiana

Dear Ms. Douglas:

A review has been completed of Permit Number 20060318. In accordance with the State and *Local Coastal Resources Management Act of 1978*, as amended (La. R.S. 49:214.34.a) and the *City of New Orleans Code of Ordinances*, a Coastal Use Permit is not required since the proposed activity is located in a fastland. A fastland is property located inside the hurricane protection levee system, within which the local program's jurisdiction does not exist. However, it is in the interest of this office that stormwater runoff be minimized and filtered as much as possible due to its impact to coastal waters in the Pontchartrain Basin. In particular, any effluent created due to past and future landfill materials need to be contained in order to protect coastal waters connected to the Maxant Canal and the Intracoastal Waterway.

This determination is valid for two years from April 6, 2006. If the proposed activity is not initiated within this time frame, this determination will expire and the applicant will be required to submit a new application. This authorization does not eliminate the need to obtain approval from the United States Army, Corps of Engineers or any other federal, state or local agency approvals that may be required by law.

The drawings and other information submitted with the application with permit number 20060318 along with the reason for this determination are contained within the permit file labeled P20060318. This information is hereby made part of the official record



CITY OF NEW ORLEANS
MAYOR'S OFFICE OF ENVIRONMENTAL AFFAIRS

regarding this matter. Any design changes must be brought to the attention of this office before implementation.

Sincerely,

A handwritten signature in black ink, appearing to read "Wynecta", followed by a horizontal line.

Wynecta Fisher
Local Coastal Program Administrator
Deputy Director

Cc: Jon Truxillo, Department of Natural Resources Coastal Management Division, Tim Poche, representing Waste Management of Louisiana



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

April 13, 2006

Sigma Associates, Inc.
10305 Airline Highway
Baton Rouge, LA 70816

Attention: Susan Douglas, Agent for Waste Management of Louisiana

RE: Water Quality Certification (JP 060317-01/AI 136645/CER20060001)
Orleans Parish

Dear Ms. Douglas:

We have received your application for a U.S. Army Corps of Engineers 404 Permit to excavate land and place fill material for the construction of a landfill at 16600 Chef Menteur Highway in New Orleans, Parish of Orleans, State of Louisiana.

The Louisiana Department of Environmental Quality (LDEQ) recognizes that Louisiana is in a state of emergency as a result of the widespread damage caused by Hurricanes Katrina and Rita. Finding that the hurricanes created conditions requiring immediate action to prevent irreparable damage to the environment and serious threats to life or safety, a Declaration of Emergency and Administrative Order was issued by the LDEQ on August 30, 2005, and most recently amended on March 31, 2006.

Section 401 of the Clean Water Act, 33 U.S.C. 1251, *et. seq.*, requires a water quality certification from the state to conduct any activity which may result in any discharge into navigable waters. Because of the immediate need to dispose of debris resulting from storm damage and subsequent demolition of buildings (construction and demolition debris), the LDEQ by this letter states that it has no objection to the U.S. Army Corps of Engineers or the U.S. Environmental Protection Agency waiving or otherwise dispensing with the requirement of a water quality certification from the state prior to authorizing or performing such work needed to abate the present emergency that will result in discharges into navigable waters.

The intent of this letter is to allow the applicant to commence activities described in the 404 permit application, not to release the applicant from any requirement to obtain a Section 401 Water Quality Certification after-the-fact.

To the extent practicable, the performance of the work which is the subject of this waiver should be done in a manner that will minimize potential adverse impacts on water quality.

ENVIRONMENTAL SERVICES


: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

If you have any questions regarding this letter, please contact Tom Griggs in the Office of Environmental Services, at (225) 219-3469.

Sincerely,

A handwritten signature in black ink, appearing to read 'CCB', with a stylized flourish at the end.

Chuck Carr Brown, Ph.D.
Assistant Secretary
Office of Environmental Services
CCB/tg

c: U.S. Army Corps of Engineers
New Orleans District



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS

P. O. BOX 60267

NEW ORLEANS, LOUISIANA 70160-0267

APR 14 2006

Operations Division
Eastern Evaluation Section

Subject: MVN 2006-1390 EFF

Waste Management of Louisiana
c/o Sigma Associates
Attn: Ms. Susan Douglas
10305 Airline Highway
Baton Rouge, Louisiana 70816

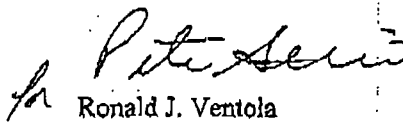
Dear Ms. Douglas:

We have received your permit application to construct a construction and demolition debris landfill at 16600 Chef Menteur Highway in Orleans Parish.

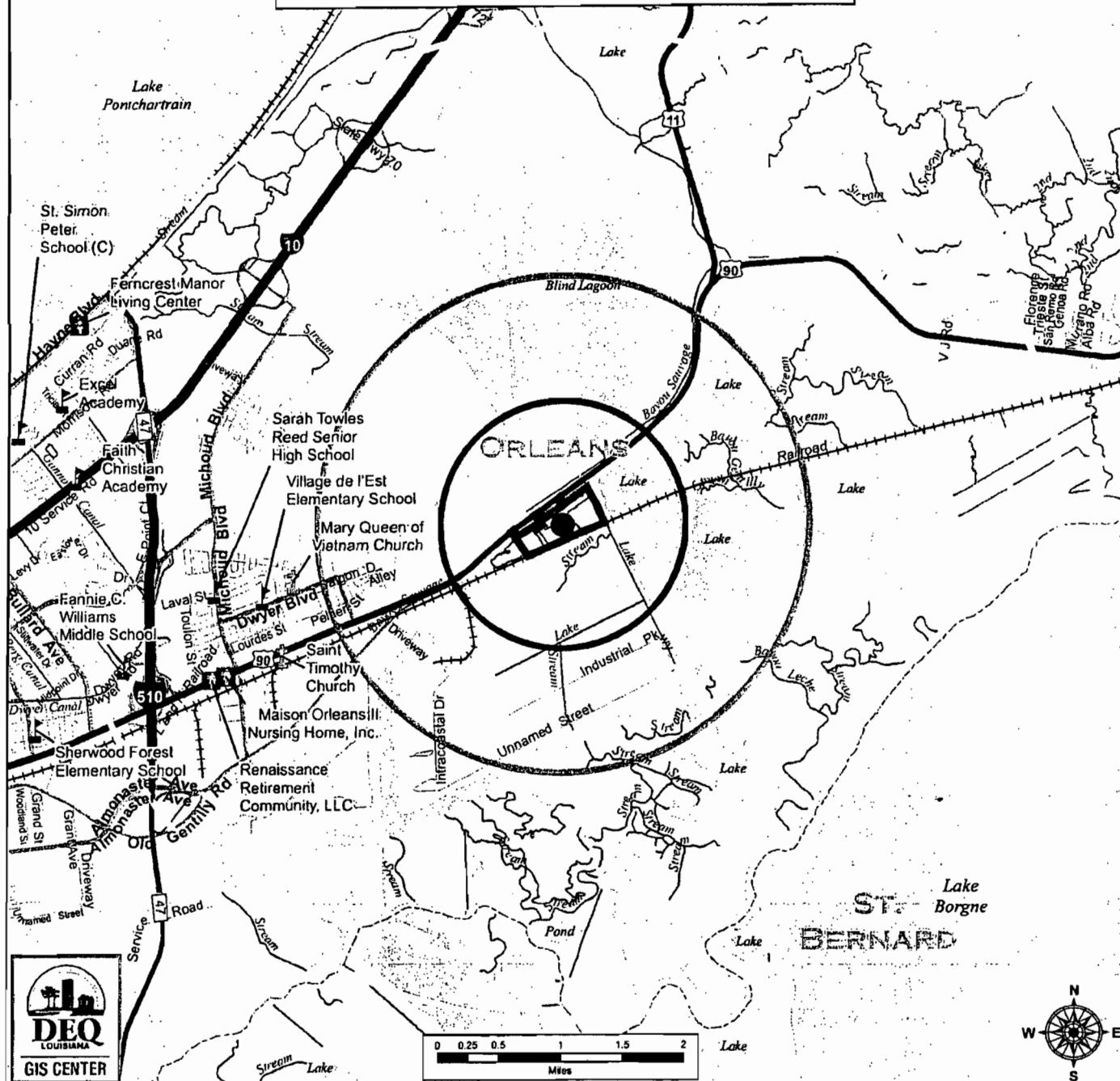
By this letter, we are granting you emergency authorization to commence operation of the landfill while we continue to evaluate your Department of the Army permit application. This authorization allows the disposal of construction and demolition debris, and vegetative debris resulting from Hurricanes Katrina and Rita. All disposal operations must be consistent with the emergency authorization issued by LA DEQ in letter dated April 13, 2006.

This emergency authorization does not obviate the need to obtain other Federal, State, or local authorizations required by law. To the maximum extent practicable, the performance of this work should be done in a manner that will minimize adverse impacts on the environment.

Sincerely,


Ronald J. Ventola
Chief, Regulatory Branch

CHEF MENTEUR C&D DISPOSAL FACILITY

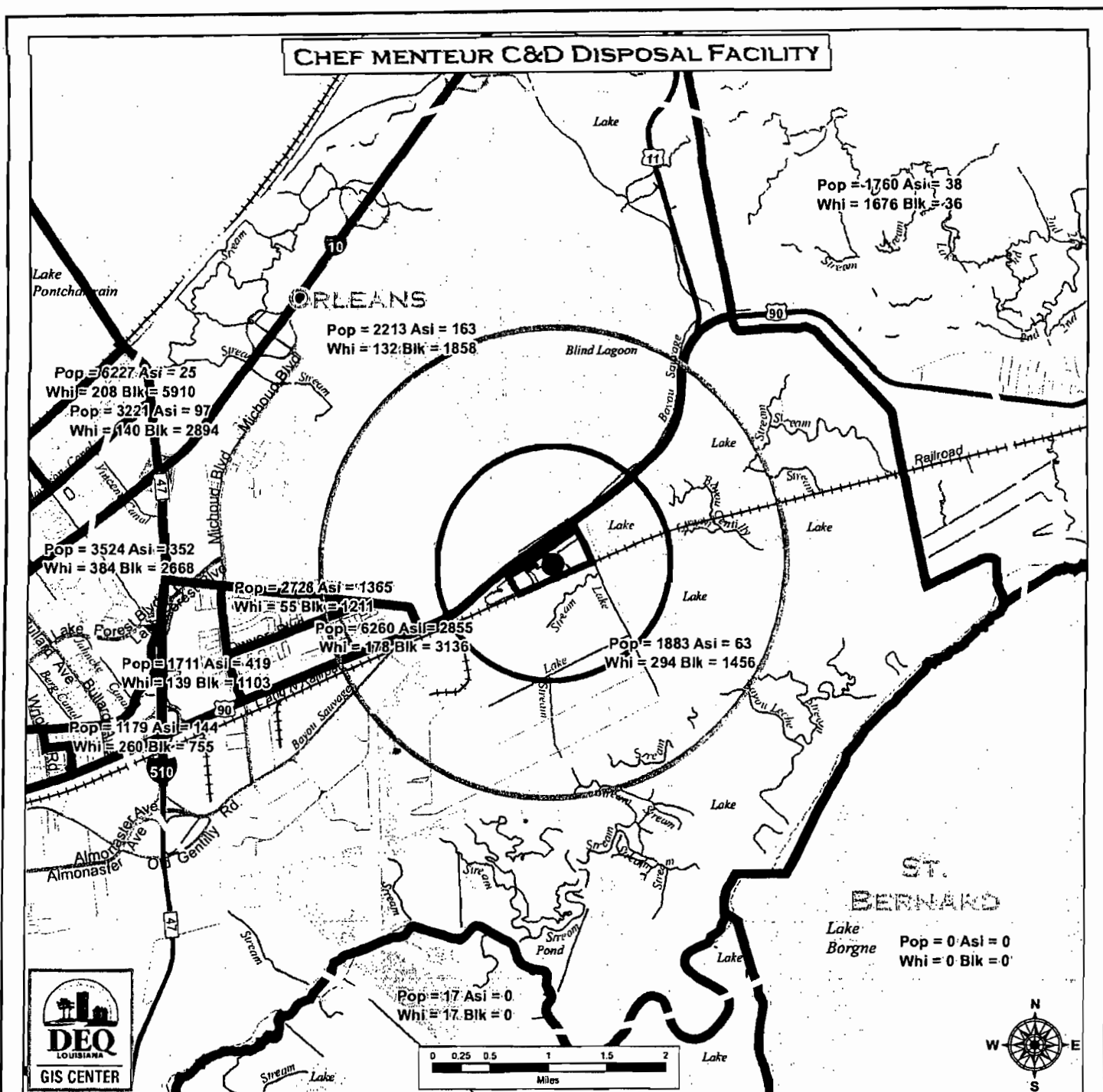


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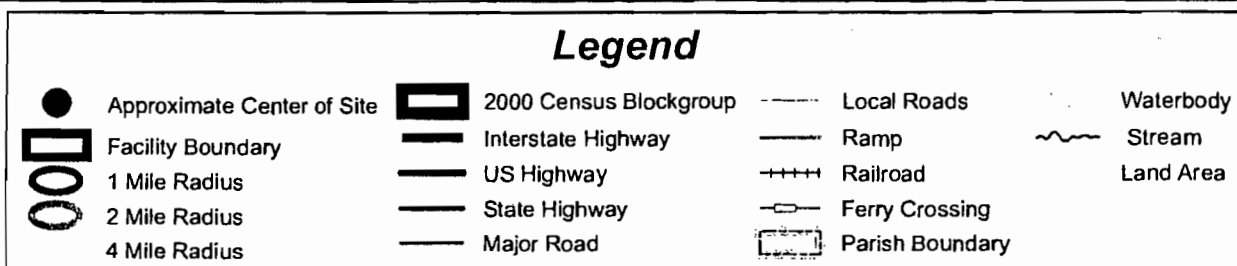
- | | | | | |
|-----------------------------------|--------------------|----------------------|-------------------|-----------|
| ● Approximate Center of Site | 🏫 College | 4 Mile Radius | --- Local Roads | Waterbody |
| ▭ Facility Boundary | 🎓 School | — Interstate Highway | — Ramp | ~ Stream |
| 🏥 Emergency Response Hospital | ⛪ Place of Worship | — US Highway | — Railroad | Land Area |
| 🏠 Non-Emergency Response Hospital | 🕒 1 Mile Radius | — State Highway | 🚢 Ferry Crossing | |
| 🏠 Nursing Home | 🕒 2 Mile Radius | — Major Road | ▭ Parish Boundary | |

Date: April 20, 2006 Map Number: 200601237 Projection: UTM Zone15 NAD83
 Source: 1999 LDOTD Parish Boundaries; 10/2004 GDT Transportation, hydrology and civic; 2005 LDHH Schools, Colleges, Hospitals and Nursing Homes; 2006 MapQuest
 Mary Queen Site; Site Boundary approximated from 01/2006 Waste Management Vicinity Map

LDEQ Disclaimer: The Louisiana Department of Environmental Quality (LDEQ) has made every reasonable effort to ensure quality and accuracy in producing this map or data set. Nevertheless, the user should be aware that the information on which it is based may have come from any of a variety of sources, which are of varying degrees of accuracy. Therefore, LDEQ cannot guarantee the accuracy of this map or data set, and does not accept any responsibility for the consequences of its use.



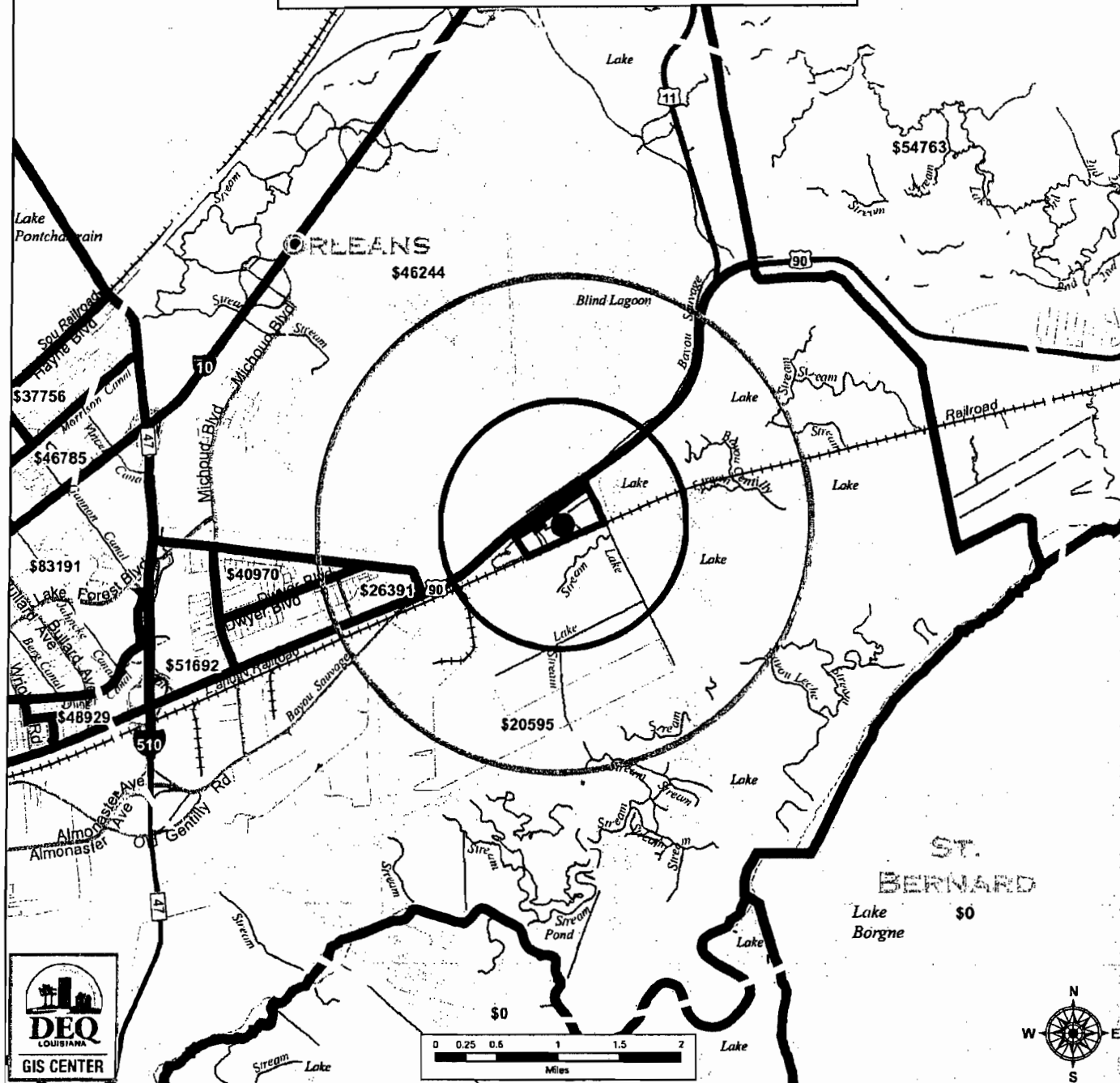
TOTAL POPULATION AND TOTAL WHITE, BLACK AND ASIAN POPULATIONS



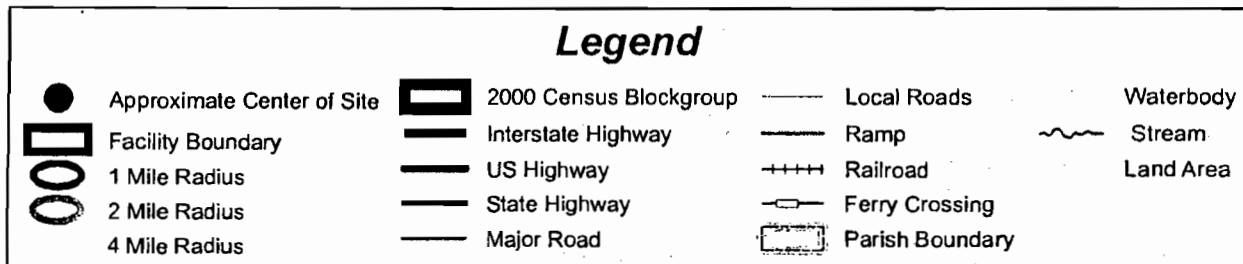
Date: April 19, 2006 Map Number: 200601238 Projection: UTM Zone15 NAD83
 Source: 1999 LDOTD Parish Boundaries; 10/2004 GDT Transportation, hydrology and civic; 2000 Census Total Population, White, Black, & Asian Populations;
 Site Boundary approximated from 01/2006 Waste Management Vicinity Map

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CHEF MENTEUR C&D DISPOSAL FACILITY

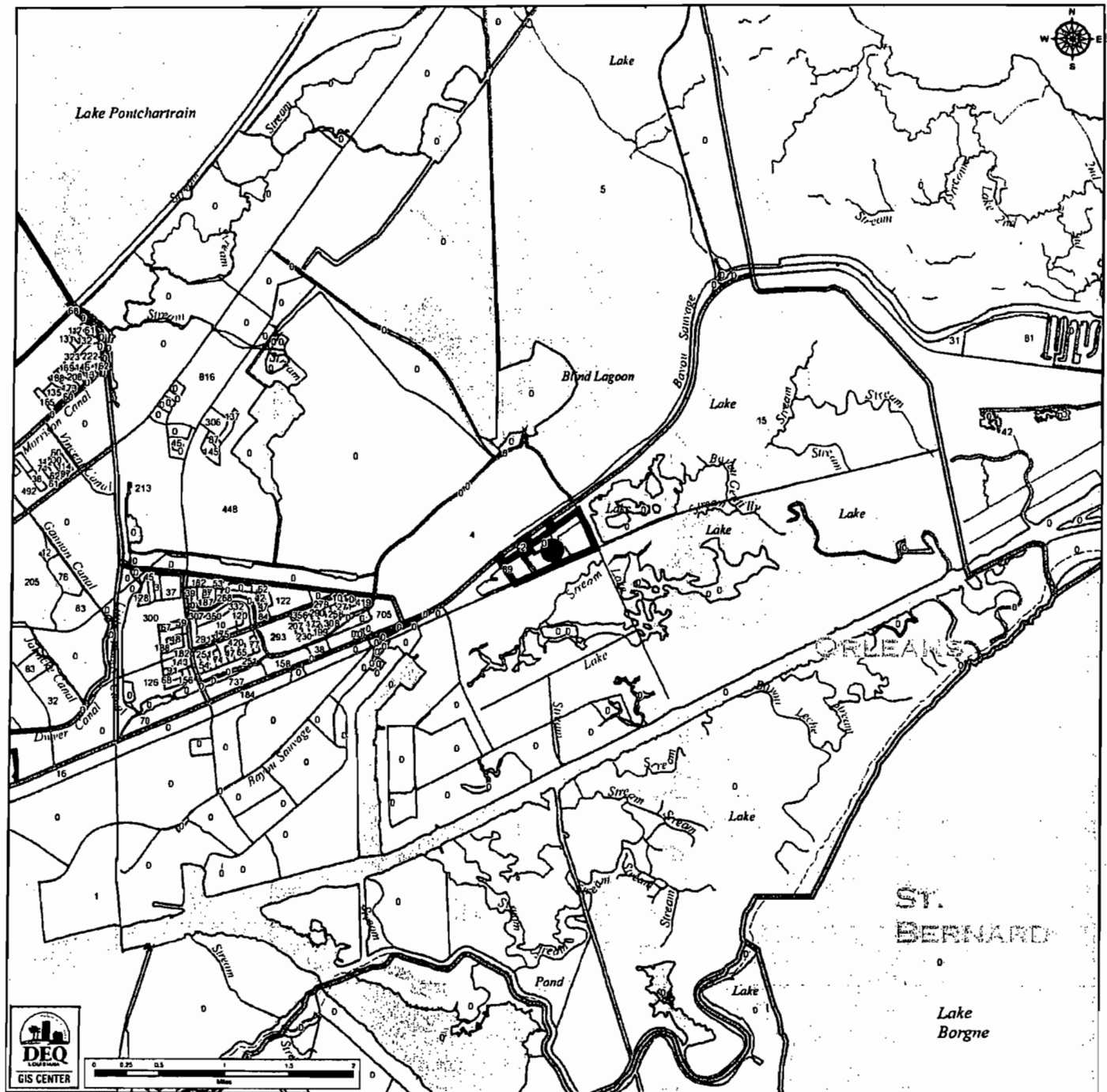


AVERAGE HOUSEHOLD INCOMES



Date: April 19, 2006 Map Number: 200601239 Projection: UTM Zone15 NAD83
 Source: 1999 LDOTD Parish Boundaries; 10/2004 GDT Transportation, hydrology and civic; 2000 Census Blockgroup Average Household Incomes; Site Boundary approximated from 01/2006 Waste Management Vicinity Map

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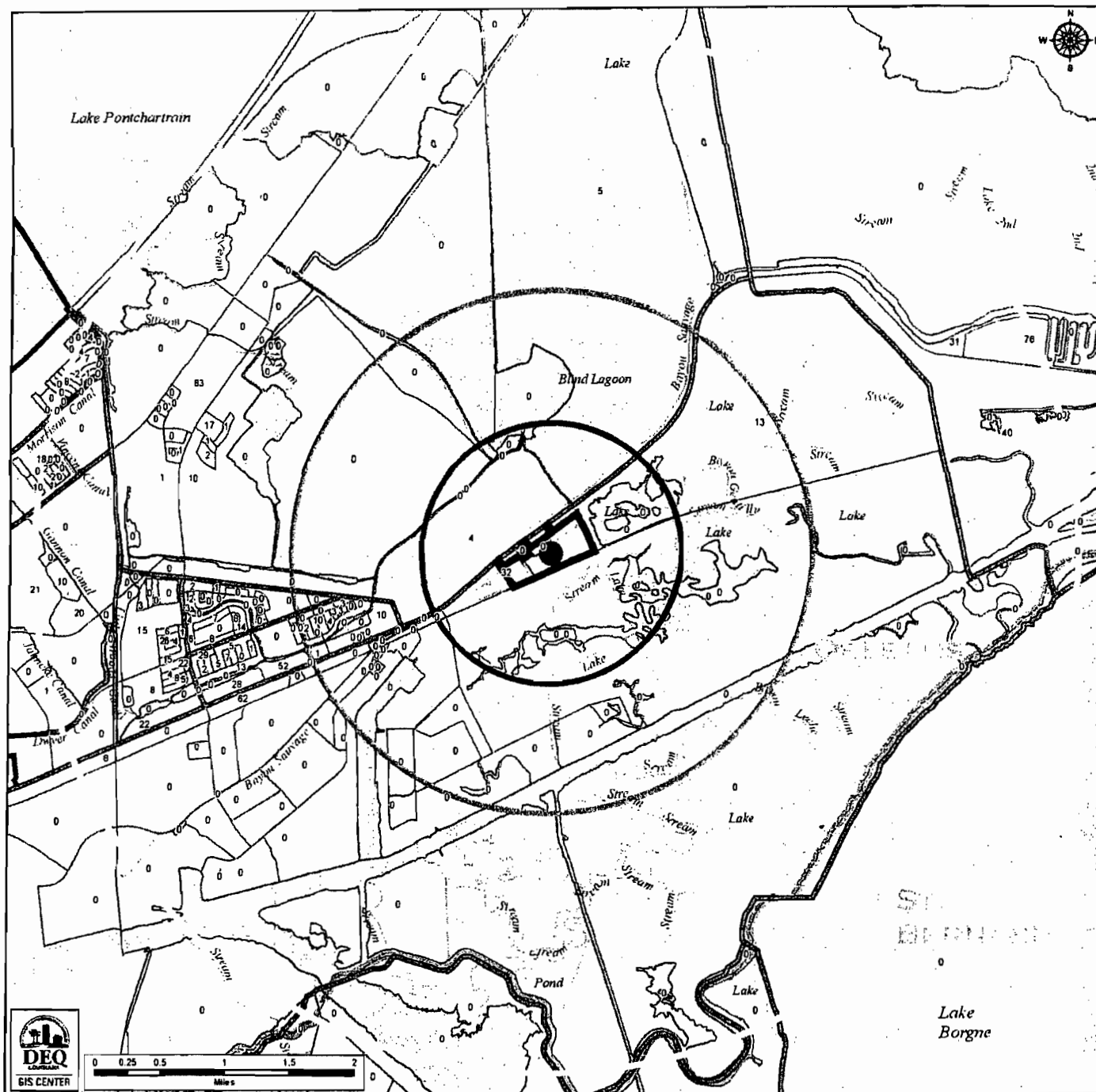
TOTAL POPULATION DISTRIBUTION WITHIN A 4 MILE RADIUS OF CHEF MENTEUR C&D DISPOSAL FACILITY

Legend

- | | | | |
|----------------------------|-------------------|------------------------|-----------|
| Approximate Center of Site | 2 Mile Radius | 2000 Census Blockgroup | Stream |
| Facility Boundary | 4 Mile Radius | Parish Boundary | Land Area |
| 1 Mile Radius | 2000 Census Block | Waterbody | |

Date: April 19, 2006 Map Number: 200601240 Projection: UTM Zone15 NAD83
 Source: 1999 LDOTD Parish Boundaries; 10/2004 GDT Transportation, hydrology and civic; 2000 Census Block Total Population Data;
 Site Boundary approximated from 01/2006 Waste Management Vicinity Map

LDEQ Disclaimer: The Louisiana Department of Environmental Quality (LDEQ) has made every reasonable effort to ensure quality and accuracy in producing this map or data set. Nevertheless, the user should be aware that the information on which it is based may have come from any of a variety of sources, which are of varying degrees of accuracy. Therefore, LDEQ cannot guarantee the accuracy of this map or data set, and does not accept any responsibility for the consequences of its use.



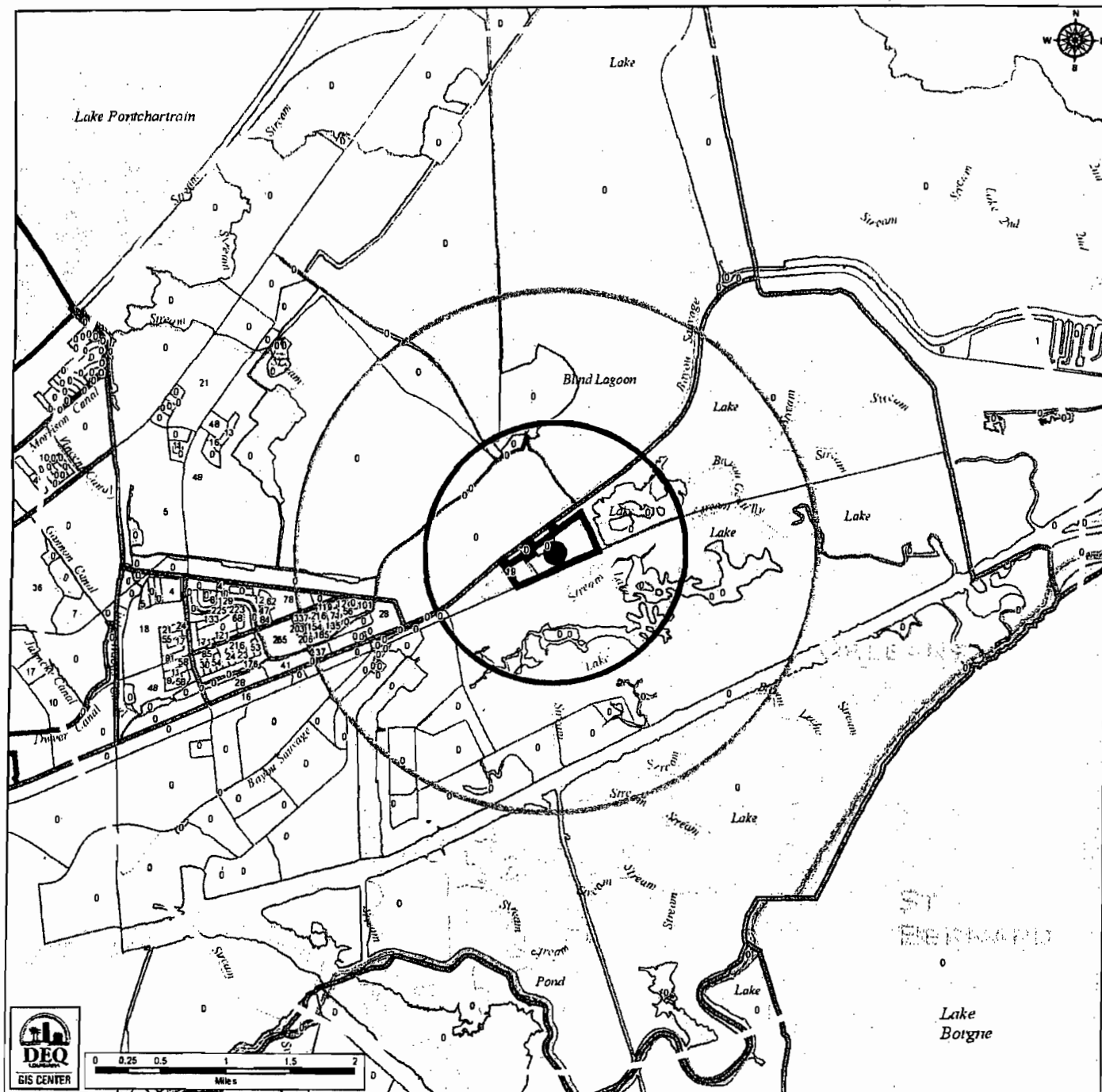
TOTAL WHITE POPULATION DISTRIBUTION WITHIN A 4 MILE RADIUS OF CHEF MENTEUR C&D DISPOSAL FACILITY

Legend

- | | | | |
|--|---|--|---------------------|
| Approximate Center of Site
Facility Boundary
1 Mile Radius | 2 Mile Radius
4 Mile Radius
2000 Census Block | 2000 Census Blockgroup
Parish Boundary
Waterbody | Stream
Land Area |
|--|---|--|---------------------|

Date: April 19, 2006 Map Number: 200601241 Projection: UTM Zone15 NAD83
 Source: 1999 LDOTD Parish Boundaries; 10/2004 GDT Transportation, hydrology and civic; 2000 Census Block Total White Population Data; Site Boundary approximated from 01/2006 Waste Management Vicinity Map

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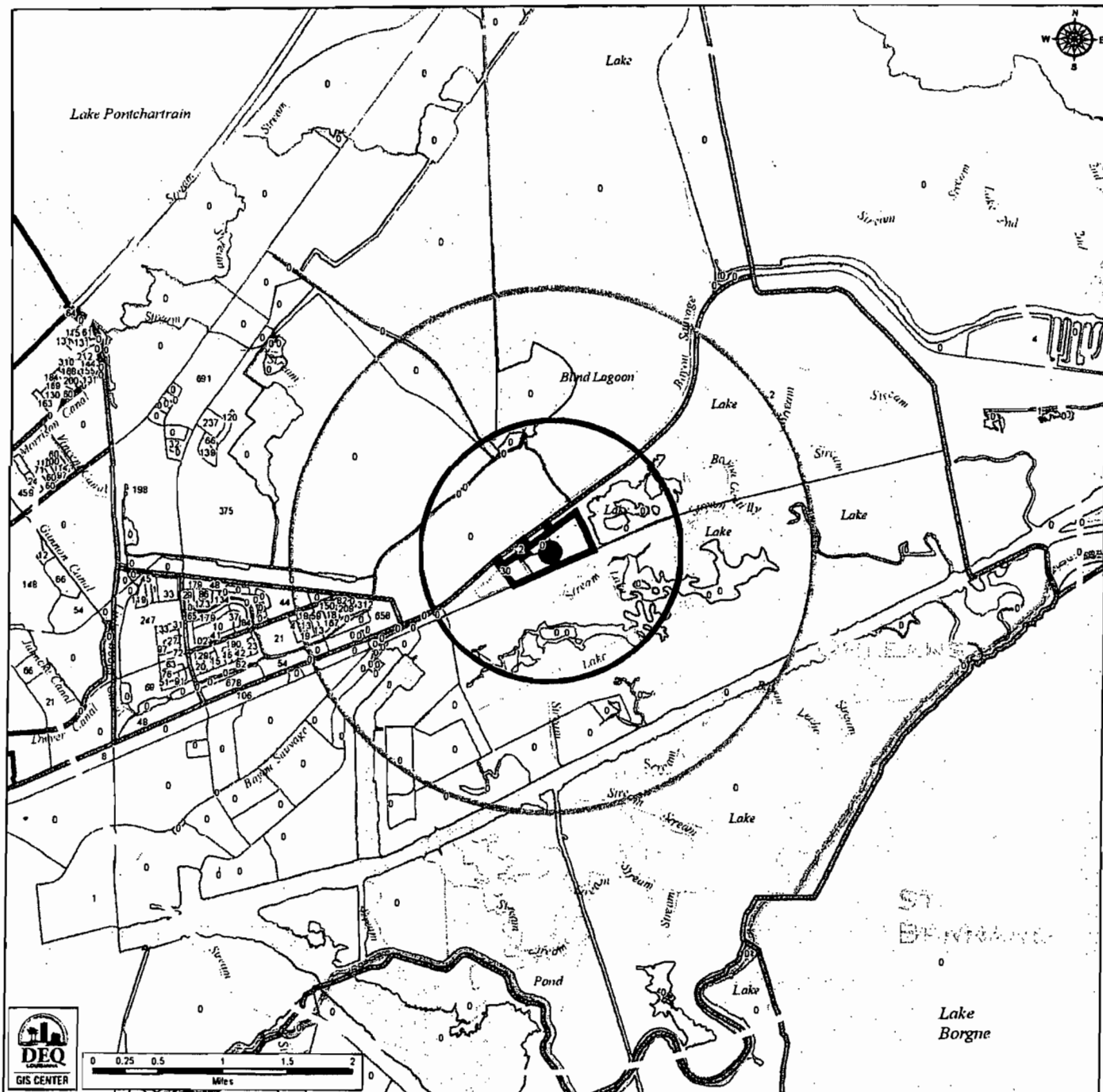
TOTAL ASIAN POPULATION DISTRIBUTION WITHIN A 4 MILE RADIUS OF CHEF MENTEUR C&D DISPOSAL FACILITY

Legend

- | | | | | | | | |
|--|----------------------------|--|-------------------|--|------------------------|--|-----------|
| | Approximate Center of Site | | 2 Mile Radius | | 2000 Census Blockgroup | | Stream |
| | Facility Boundary | | 4 Mile Radius | | Parish Boundary | | Land Area |
| | 1 Mile Radius | | 2000 Census Block | | Waterbody | | |

Date: April 19, 2006 Map Number: 200601243 Projection: UTM Zone15 NAD83
 Source: 1999 LDOTD Parish Boundaries; 10/2004 GDT Transportation, hydrology and civic; 2000 Census Block Total Asian Population Data; Site Boundary approximated from 01/2006 Waste Management Vicinity Map

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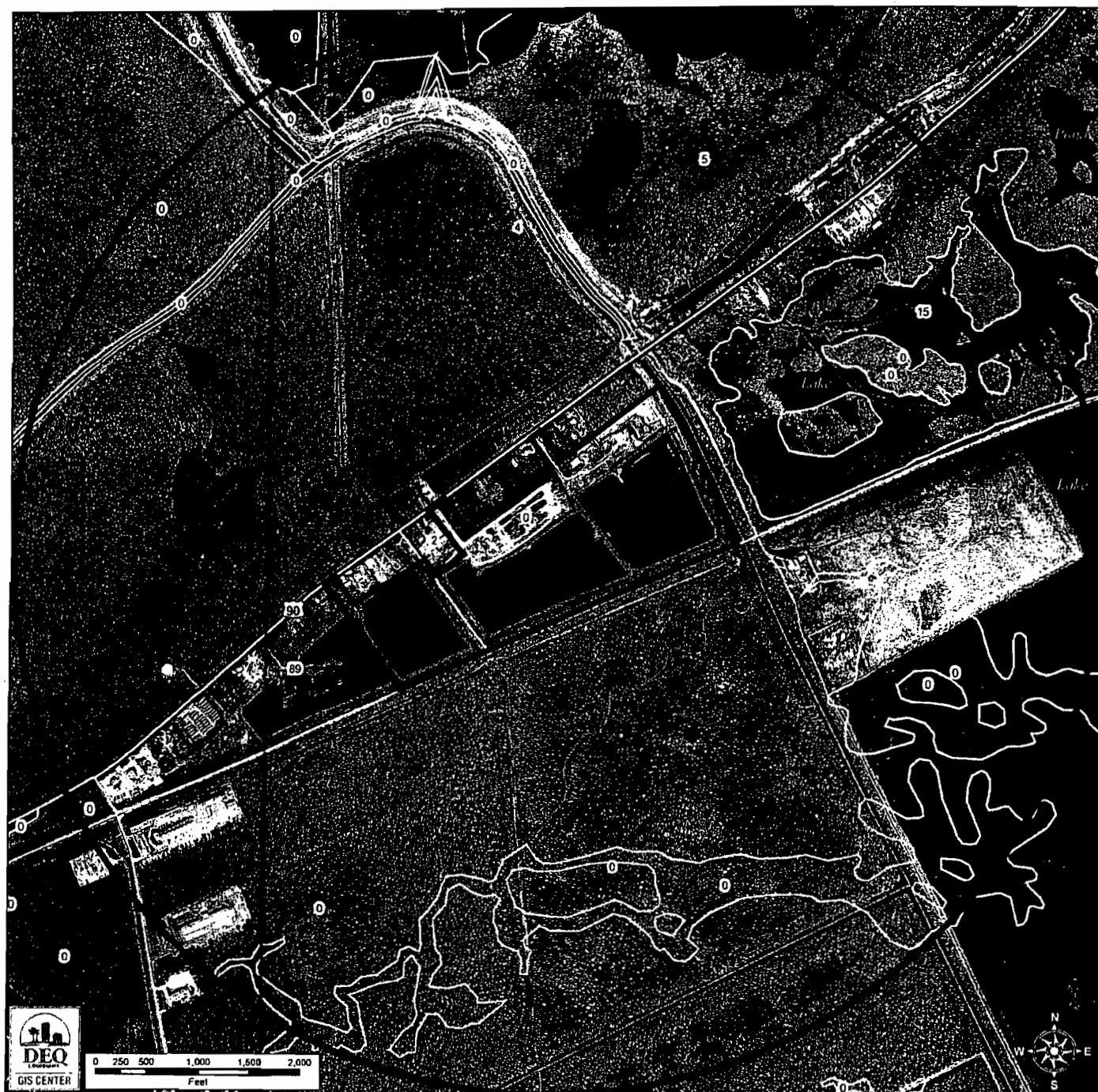
TOTAL BLACK POPULATION DISTRIBUTION WITHIN A 4 MILE RADIUS OF CHEF MENTEUR C&D DISPOSAL FACILITY

Legend

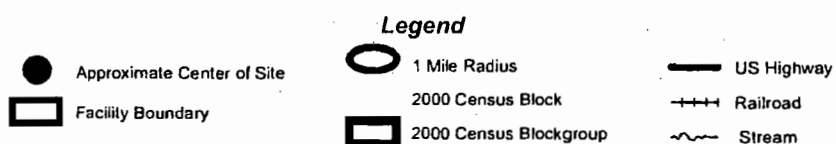
- | | | | | | | | |
|--|----------------------------|--|-------------------|--|------------------------|--|-----------|
| | Approximate Center of Site | | 2 Mile Radius | | 2000 Census Blockgroup | | Stream |
| | Facility Boundary | | 4 Mile Radius | | Parish Boundary | | Land Area |
| | 1 Mile Radius | | 2000 Census Block | | Waterbody | | |

Date: April 19, 2006 Map Number: 200601242 Projection: UTM Zone15 NAD83
 Source: 1999 LDOTD Parish Boundaries; 10/2004 GDT Transportation, hydrology and civic; 2000 Census Block Total Black Population Data; Site Boundary approximated from 01/2006 Waste Management Vicinity Map

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**TOTAL POPULATION DISTRIBUTION WITHIN A 1 MILE RADIUS OF
CHEF MENTEUR C&D DISPOSAL FACILITY
ORLEANS PARISH**



Date: April 20, 2006 Map Number: 200601247 Projection: UTM Zone15 NAD83
Source: 1999 LDOTD Parish Boundaries; 10/2004 GDT Transportation, hydrology and civic; 2000 Census Block Total Population Data; Site Boundary approximated from 01/2006 Waste Management Vicinity Map

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